ViewSonic®

VSD220
Smart Display
User Guide

Model No. VS15006

Compliance Information

Please read before proceeding

- Use only the batteries and power adapter provided by the manufacturer. The use of unauthorized accessories may void your warranty.
- Do not store your device in temperatures higher than 50°C (122°F).
- The operating temperature for this device is from 0°C (32°F) to 35°C (95°F).

FCC Notic

The following statement applies to all products that have received FCC approval. Applicable products bear the FCC logo, and/or an FCC ID in the format FCC ID: GSS-VS15006 on the product label.This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. This mobiledevice has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequencyenergy and, if not installed and used in accordance with the instructions, may cause harmful interferenceto radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void theuser’s authority to operate the equipment.The antenna(s) used for this transmitter must not be colocated or operating in conjunction with any otherantenna or transmitter.

The device was tested and complies to measurement standards and procedures specified in FCC OET Bulletin 65, Supplement C

FCC SAR Information

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

The users manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Canada Statement
This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Caution: Exposure to Radio Frequency Radiation
To comply with RSS 102 RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons.
Pour se conformer aux exigences de conformité CNR 102 RF exposition, une distance de séparation d'au moins 20 cm doit être maintenue entre l'antenne de cet appareil et toutes les personnes.

CE Conformity for European Countries
The device complies with the EMC Directive 2004/108/EC and Low Voltage Directive 2006/95/EC, R&TTE Directive 1999/5/EC.

Following information is only for EU-member states:
The mark shown to the right is in compliance with the Waste Electrical and Electronic Equipment Directive 2002/96/EC (WEEE).
The mark indicates the requirement NOT to dispose the equipment as unsorted municipal waste, but use the return and collection systems according to local law.

If the batteries, accumulators and button cells included with this equipment, display the chemical symbol Hg, Cd, or Pb, then it means that the battery has a heavy metal content of more than 0.0005% Mercury, or more than 0.002% Cadmium, or more than 0.004% Lead.

European Union Regulatory Conformance
The equipment complies with the RF Exposure Requirement 1999/519/EC, Council Recommendation of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0-300 GHz). This equipment meets the following conformance standards: EN301489-1, EN301489-17, EN55022/24, EN60950-1, EN300328.

We, hereby, declare that this Wi-Fi & Bluetooth radio is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Declaration of RoHS Compliance

This product has been designed and manufactured in compliance with Directive 2002/95/EC of the European Parliament and the Council on restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS Directive) and is deemed to comply with the maximum concentration values issued by the European Technical Adaptation Committee (TAC) as shown below:

Substance	**Proposed Maximum Concentration**	**Actual Concentration**
Lead (Pb)	0.1%	< 0.1%
Mercury (Hg)	0.1%	< 0.1%
Cadmium (Cd)	0.01%	< 0.01%
Hexavalent Chromium (Cr6+)	0.1%	< 0.1%
Polybrominated biphenyls (PBB)	0.1%	< 0.1%
Polybrominated diphenyl ethers (PBDE)	0.1%	< 0.1%

Certain components of products as stated above are exempted under the Annex of the RoHS Directives as noted below:
Examples of exempted components are:

1. Mercury in compact fluorescent lamps not exceeding 5 mg per lamp and in other lamps not specifically mentioned in the Annex of RoHS Directive.
2. Lead in glass of cathode ray tubes, electronic components, fluorescent tubes, and electronic ceramic parts (e.g. piezoelectronic devices).
3. Lead in high temperature type solders (i.e. lead-based alloys containing 85% by weight or more lead).
4. Lead as an allotting element in steel containing up to 0.35% lead by weight, aluminium containing up to 0.4% lead by weight and as a cooper alloy containing up to 4% lead by weight.

Important Safety Instructions

1. DO NOT place objects on top of the device, as objects may scratch the screen.
2. DO NOT expose the device to dirty or dusty environments.
3. DO NOT place the device on an uneven or unstable surface.
4. DO NOT insert any foreign objects into the device.
5. DO NOT expose the device to strong magnetic or electrical field.
6. DO NOT expose the device to direct sunlight as it can damage the LCD Screen. Keep it away from heat sources.
7. DO NOT use the device in the rain.
8. Please check with your Local Authority or retailer for proper disposal of electronic products.
9. The device and the adapter may produce some heat during normal operation or charging. To prevent discomfort or injury from heat exposure, DO NOT leave the device on your lap.
10. POWER INPUT RATING: Refer to the rating label on the device and be sure that the power adapter complies with the rating. Only use accessories specified by the manufacturer.
11. DO NOT use a pen or any sharp object to tap the screen.
12. Clean the touch screen with a soft cloth. If needed, dampen the cloth slightly before cleaning. Never use abrasives or cleaning solutions.
13. Always power off the device to install or remove external devices that do not support hot-plug.
14. Disconnect the device from an electrical outlet and power off before cleaning the device.
15. DO NOT disassemble the device. Only a certified service technician should perform repair.
16. The device has apertures to disperse heat. DO NOT block the device ventilation, the device may become hot and malfunction as a result.
17. Users have to use the connection to USB interfaces with USB 2.0 version or higher.
18. PLUGGABLE EQUIPMENT: the socket-outlet shall be installed near the equipment and shall be easily accessible.

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SRS 3D is a trademark of SRS Labs, Inc. SRS® 3D technology is incorporated under license from SRS Labs, Inc. SRS® 3D restores the original three-dimensional sound field of stereo recordings by retrieving spatial information buried in the recordings to create an immersive 3D sound-field using only two speakers or headphones.
The actual included applications (apps) may differ from the illustrated screen shots.
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Right to all technologies and products that comprise this device are the property of their respective owners:
This product has an Android platform based on Linux, which can be expanded by a variety of Java-Script-based application SW.
Google, the Google logo, Android, the Android logo, Gmail, and YouTube are trademarks of Google Inc.Bluetooth and the Bluetooth logo are trademarks owned by Bluetooth SIG, Inc.Java, JME and all other Java-based marks are trademarks or registered trademarks of Sun Microsystems, Inc. in the United States and other countries.microSD is a trademark of SD Card Association.

Product Registration

To meet your future needs, and to receive any additional product information as it becomes available, please register your product on the Internet at: www.viewsonic.com.

For Your Records

Product Name:	VSD220 ViewSonic Smart Display
Model Number:	VS15006
Document Number:	VSD220_UG_ENG Rev. 1a 08-21-12
Serial Number:	_____
Purchase Date:	_____

Product disposal at end of product life
ViewSonic respects the environment and is committed to working and living green. Thank you for being part of Smarter, Greener Computing. Please visit ViewSonic website to learn more.
USA & Canada: http://www.viewsonic.com/company/green/recycle-program/
Europe: http://www.viewsoniceurope.com/uk/support/recycling-information/
Taiwan: http://recycle.epa.gov.tw/recycle/index2.aspx

Table of Contents

1 VSD220 Smart Display Features

1.1 Installing wall mount bracket 3

2 Set Up Your VSD220 Smart Display

2.1 Connection 4
2.2 Get Your Smart Display Ready for Use 4
2.3 Turn On Your Device 6
2.4 Turn Off Your Device 6

3 About Your VSD220 Smart Display

3.1 Touch Screen 7
3.2 Applications, Widgets and Shortcuts 7
3.3 Home Screen 8
3.4 Navigation buttons 10
3.5 Notifications and Status 10
3.5.1 Managing Notifications 11
3.5.2 Status Detail 11
3.6 Customizing Your Home Screen 11
3.6.1 Add an Item (Shortcut) 11
3.6.2 Move an Item 12
3.6.3 Delete an Item 12
3.6.4 Change the Wallpaper 12
3.7 Navigating the Applications 13
3.7.1 Apps screen 13
3.7.2 Application Shortcuts 13
3.7.3 Recent Applications 14
3.7.4 Screen Lock Wallpaper 14

4 Using Your VSD220 Smart Display

4.1 Managing Contacts 15
4.1.1 Add a new contact 15
4.1.2 Find a contact 16
4.1.3 E-mail or send a message to a contact 16
4.2 Pop-up Menu 18
4.3 Google Search 19

4.4 Managing Your Device Settings 20
4.4.1 Check storage spaces 20
4.4.2 Remove the SD card safely 20
4.4.3 Erase all data from your device 21
4.5 Connecting to HDMI-compliant Devices via Micro HDMI Input 21
4.6 Bluetooth Connection 22
4.6.1 Turn on Bluetooth and make the device discoverable 23
4.6.2 Pair with a Bluetooth device 23
4.6.3 Terminate a pairing partnership 24
4.6.4 Change your device's Bluetooth name 24

5 Internet

5.1 Connecting to the Internet 25
5.1.1 Wi-Fi connection 25
5.1.2 Check the current Wi-Fi network connection 26
5.1.3 Connect to another Wi-Fi network 26
5.2 Synchronizing Your Google Data 27
5.3 Video Chat 27

6 Customizing Your VSD220 Smart Display

6.1 Display Settings 29
6.2 Sound and Ringtone Settings 29
6.2.1 System settings 30
6.2.2 Notifications settings 30
6.3 Date, Time, and Time Zone 30
6.4 Language & Input Settings 31
6.5 OSD Settings 32
6.5.1 Adjustment Bars 32
6.5.2 Functions Buttons 32
6.5.3 OSD Notice 33

7 Protecting Your VSD220 Smart Display

7.1 Protect Your Device Data with a Screen Unlock Pattern 34
7.1.1 Create a screen unlock pattern 34
7.1.2 Change unlock pattern settings 35
7.2 Disable the screen unlock security 35

7.3 Protect Your Device Data with a PIN 35
7.3.1 Disable or change PIN 36
7.4 Protect Your Device Data with a Password 36
7.4.1 Disable or change the password 36
7.5 Power Saving Feature 37
7.6 Power Management Information 37

8 Troubleshooting

8.1 Messaging Problems 38
8.2 Internet Problems 38
8.3 Other Problems 38

9 Appendix

Specification 39

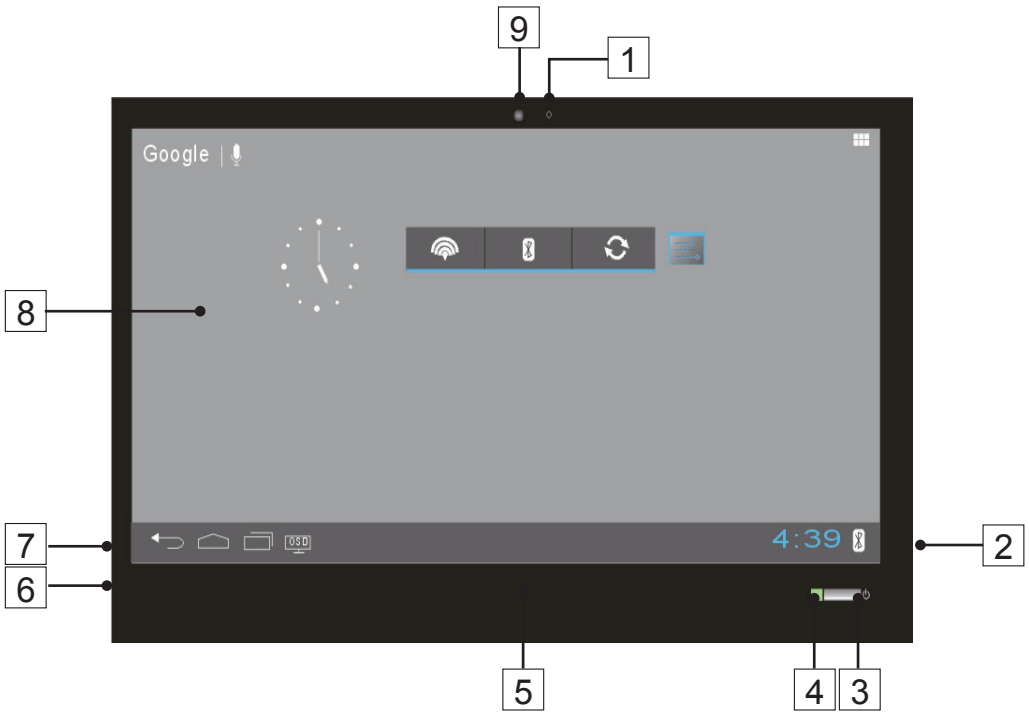
1 VSD220 Smart Display Features

This section introduces you to the features of your Smart Display.

NOTE

- The features or applications described in this User's manual may vary depending on the device model purchased.

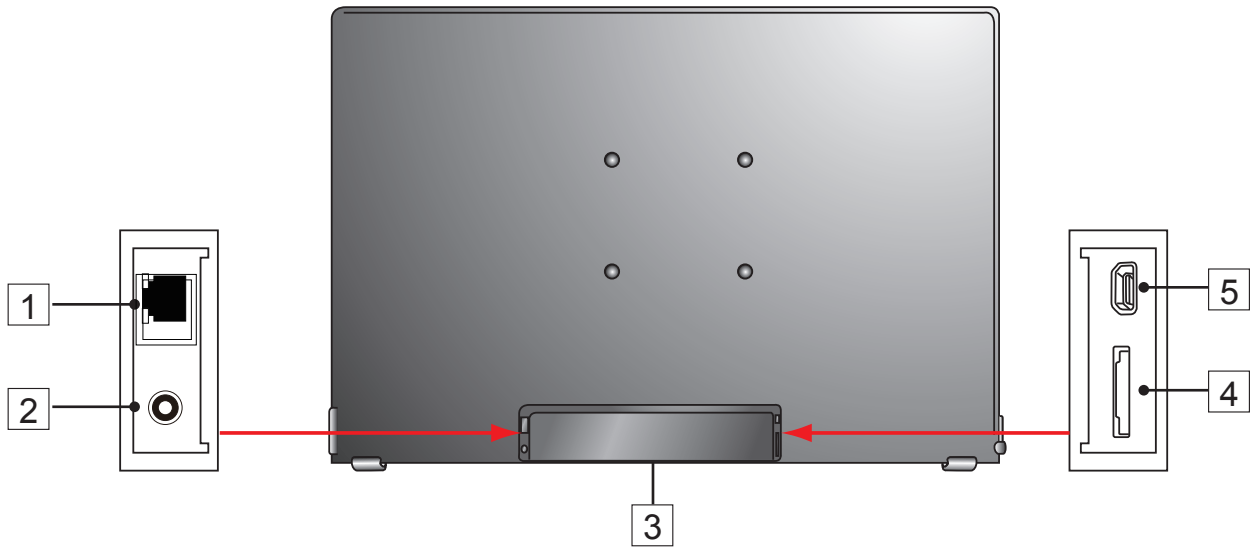
Front View



No.	Components	Descriptions
1	Microphone	Used for receiving audio or audio input.
2	USB Ports x 2	Used for keyboard, mouse, Flash Disk or printer connections.
3	Power Button	Press and hold to power on/off the device. - Press and Hold about 2-3 seconds to turn on the power (green light) - Press about 0.5 seconds to let the system enter the power saving mode (sleep mode - orange light) or wake up the system from the power saving mode. - Press about 3-4 seconds to pop-up a system shutdown or not dialog screen. - Press about 10 seconds to force the system shutdown.
4	LED Indicator	Indicates the status of power. (power on, off or power saving)
5	Speaker	Audio output.

No.	Components	Descriptions
6	Earphone Jack	Connect to earphone or headset.
7	Micro USB Port	Connect to windows computer for data transferring. (Need MTP driver)
8	Touch Screen	Touch the screen to control the on-screen configurations including menu items, applications, buttons, keyboard and so on.
9	Front-Panel Camera	- Used for taking a front picture just the same as a self-portrait. - Used for making video calls with supportive web applications, such as Google talk.

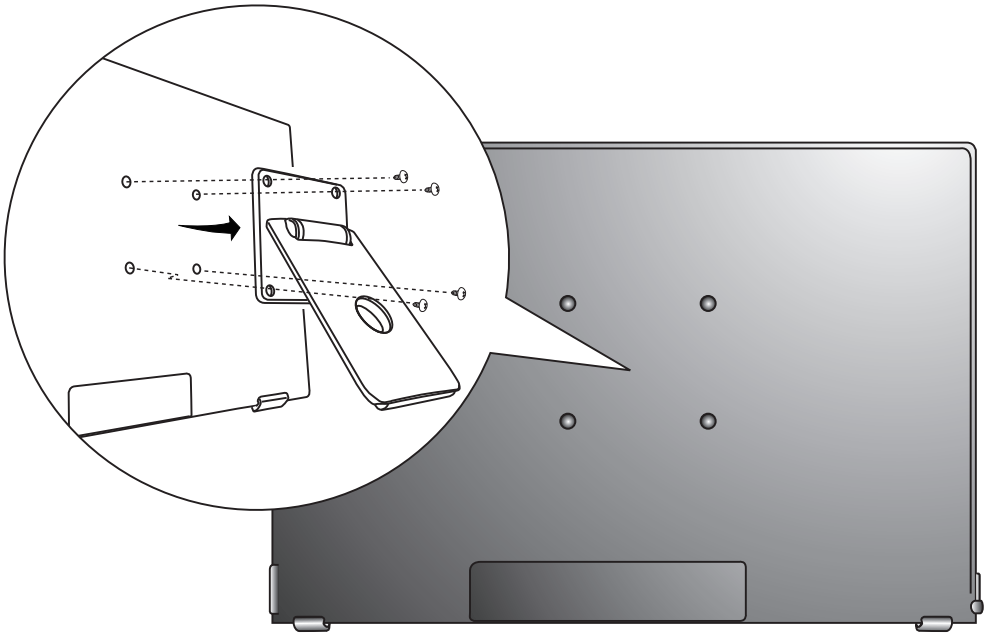
Back View



No.	Components	Descriptions
1	LAN Connector	Connect to a RJ45 cable for network connection
2	DC Jack	Connect to power adapter.
3	Back Compartment	Open the compartment cover on the back of the smart display to connect power adapter, LAN cable, HDMI cable and insert the SD card.
4	SD Card Slot	Input micro SD card to extend storage capacity.
5	Micro HDMI	Connect to digital high quality device for video and audio configurations (e.g. DVD Player, BD Player VPG or Notebook).

1.1 Installing wall mount bracket

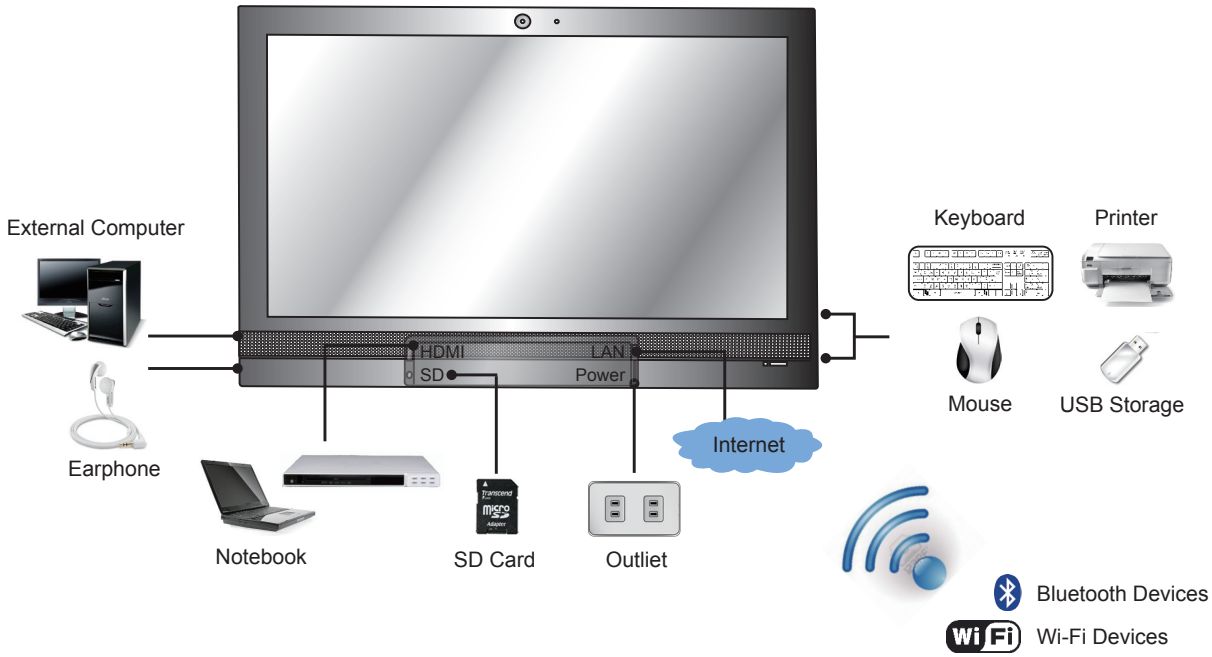
The VSD220 supports wall mount bracket installation. We recommend using mounting interface that comply with Video Electronics Standards Association (VESA®) standard. Please follow the steps to install your bracket:



1	Turn off your monitor and unplug its power cord.
2	Lay the monitor face-down on a flat surface. Take care to protect the screen.
3	Remove the screws for wall mount and then remove the cover plate.
4	Align the wall mount bracket with the holes which are compliant with VESA® standard mounting hole pattern 100mmx100mm in the mounting pad and secure it with the four screws supplied with the arm-type base, wall mount hanger or other base.

2 Set Up Your VSD220 Smart Display

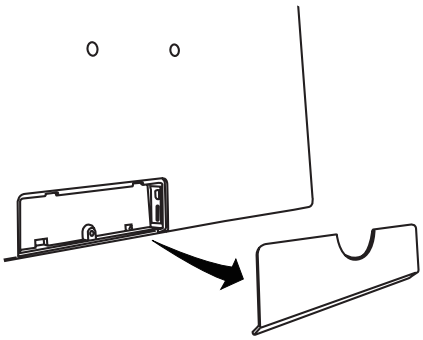
2.1 Connection



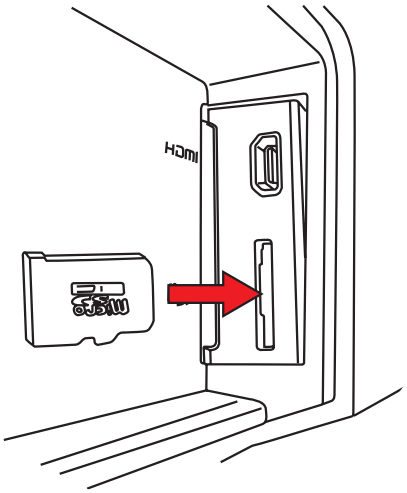
2.2 Get Your Smart Display Ready for Use

Insert the SD card

1 Open the compartment cover on the back of the smart display.



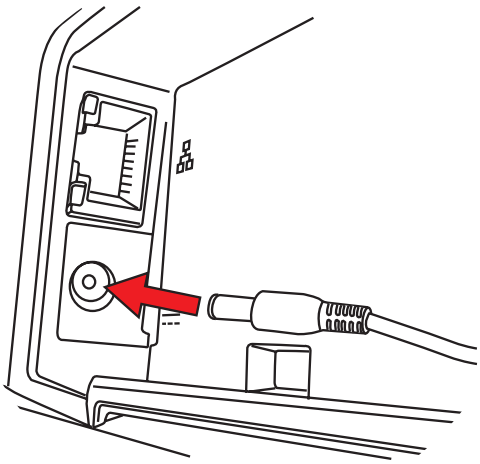
2 Insert a micro SD card if desired and/or available.



Connect the Power Cord

1 Open the compartment cover on the back of the smart display.

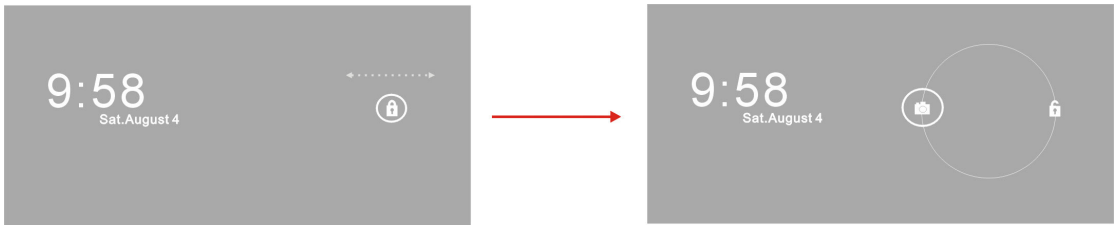
2 Connect the included power cord to the power jack.



3 Connect the other end of the power cord to a suitable power outlet.

2.3 Turn On Your Device

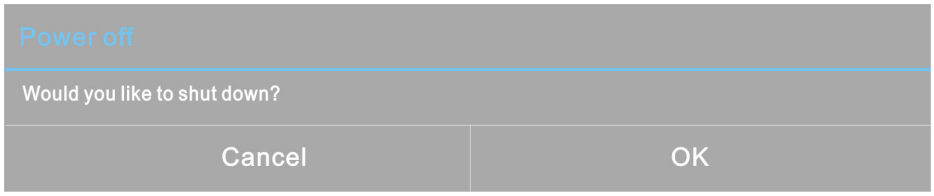
Press and hold power button about 1-2 seconds



Slide the lock icon to unlock the screen

1	After connecting the power cord, you can press and hold the power button about 1-2 seconds on the lower right corner to power on your device.
2	Once powered-up, the LED indicator will show solid Green.
3	The lock screen will appear after a short boot-up period.
4	Touch and slide the lock icon to unlock the screen.
5	The device is ready for use when the Home screen is displayed.

2.4 Turn Off Your Device



1	Press and hold the power button more than 4 seconds.
2	When the power off menu appears, touch OK.

3 About Your VSD220 Smart Display

3.1 Touch Screen

The main way to control the device is using your finger to touch the sensitive surface of the screen directly. You can manipulate icons, buttons, menu items, on-screen keyboard and other items on the touch screen with below methods:

Methods	Descriptions
Touch	Simply touch the items with you finger. - Act on items on the screen including application and settings icons. - Type letters and symbols using the on-screen keyboard - Press the on-screen buttons
Touch and Hold	Touch and hold an item on the screen by touching it without lifting your finger until an action occurs.
Drag	Touch and hold an item then move the item with your finger until reaching the target position. - Move an item on the screen. - Scroll through Home screens, web pages, lists, entries, photo thumbnails, contacts and so on.
Swipe or Slide	Quickly move your finger across the surface of the screen without pausing when you first touch it.
Zoom Out	Move two fingers close together on the screen to reduce the view of an image or web page.
Zoom In	Move two fingers apart on the screen to enlarge the view of an image or web page.

3.2 Applications, Widgets and Shortcuts

The soft buttons or icons offer a variety of functions and shortcuts. On the Home screen, it is your starting point to access all the features on your device. It displays application icons, widgets, shortcuts and so on.

Applications: Software allows you to perform a specific task. Power on your device, it is preloaded with a variety of applications already. You can also download additional applications from the Google Play Store.

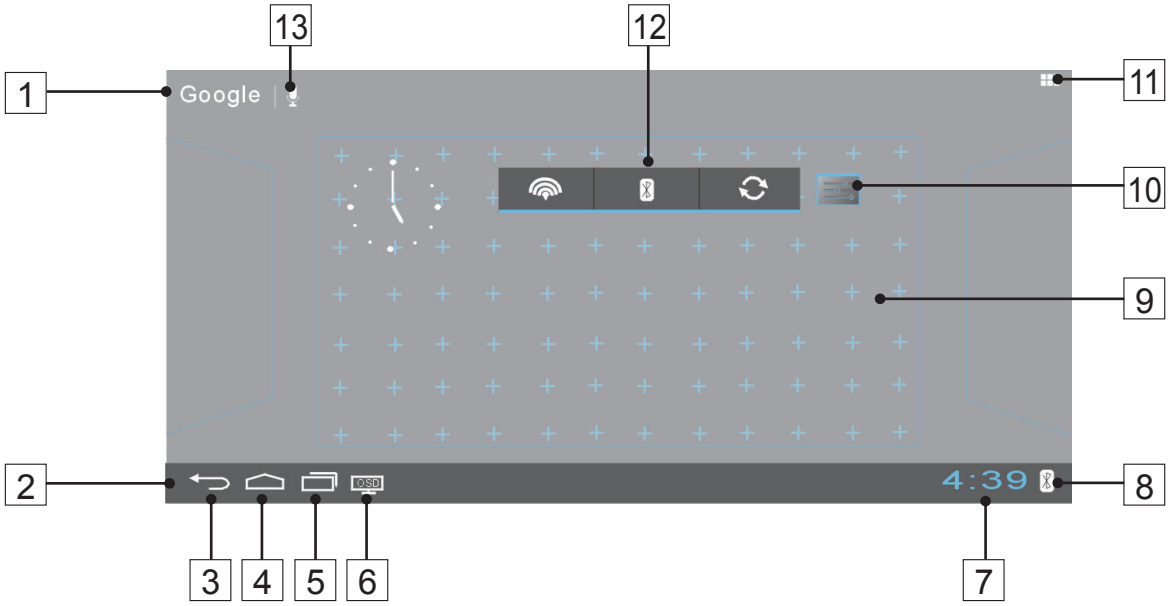
Widgets: Widgets are applications that you can use directly on the Home screen. Example: Analog clock, Bookmark, Picture frame, the Google search bar and so on.

Shortcuts: A link that you can create on your Home screen to provide quicker access to applications you have installed.

3.3 Home Screen

Once you power on your device, and unlock your screen, the central Home screen will display. You can also touch the ⌂ Home button to go to Home screen. On the Home screen, it allows you to access all the features installed in your device.

The Home screen is composed of five screen panels. You can slide your finger to left or right across the central Home screen to view more widgets, shortcuts, and other items located on each screen panel. You can also add shortcuts, widgets or change the desktop wallpaper on each screen panel.



No.		Items	Descriptions
1	Google | 🎤	Google Search	Use the Google Search application to search the web faster and easier from Google.
2	⮌ ⌂ ▭ OSD	System bar	Located at the bottom of the Home screen including go back, Home screen, recent application, OSD configurations, Time, Bluetooth, WiFi & other notifications.

No.		Items	Descriptions
3		Back	Return to the previous screen or option.
4		Home	This button will indicate you to go back to central Home screen at any time.
5		Recent Applications	Touch this button to show you a list of images about the applications you have accessed recently. You can touch the listed image to open the applications.
6		OSD	Touch this to open screen display related configurations including Volume, Brightness, Contrast, SRS, HDMI and restore to Default values and so on. OSD can only be operated with touch screen and will not respond to mouse input.
7	9:03	Time	Display the current time.
8		Bluetooth	Touch Bluetooth button on the right of system bar to pop-up current system configuration screen. In the configuration screen, you can: - Configure Wi-Fi - Review all items in the **Settings** - Configure Notifications to enable or disable - Magnify the Time viewing
9	+	Place Indicator	Add items to your Home screen, such as widgets and application shortcuts. Touch and hold the added items, the Home screen will display “+” to indicate the places, select one of suitable place for the added shortcut.
10	YouTube	Shortcuts	You can add a shortcut button to the Home screen by touching and holding the specified icon. This icon allows you to open a shortcut item quickly.
11		Apps	Touch the Apps button to show all of the applications installed on your device.
12		Widgets	Widgets are small applications that reside on the Home screen to provide quick access to information.
13		Voice Input	Use voice input as an alternative to text entry via keyboard.
14		Navigation	Flick or drag the screen horizontally until the desired Home screen is displayed.

3.4 Navigation buttons

On the left of system bar, you can find the navigation buttons described as below:

Buttons	Descriptions
OSD	In the OSD configuration screen, drag the slider bar to adjust Volume, Brightness and Contrast to your OSD. Here you can also configure the SRS and HDMI functions, or touch Default to restore the factory default values.
Recent Apps.	A short-cut way for you to open recent applications you have accessed. Select and touch one of the images from the list to open the application directly.
Home	- Touch this button to go to the central Home screen when viewing other Home screens. - Touch this button to go back to the last Home screen you have viewed when launching any functions on the device. Or touch this button again to go back to central Home screen.
Back	- Touch this button to go back to the previous screen or option. - If the on-screen keyboard is displayed, the button changes to ﹀. Touch it to close the on-screen keyboard.

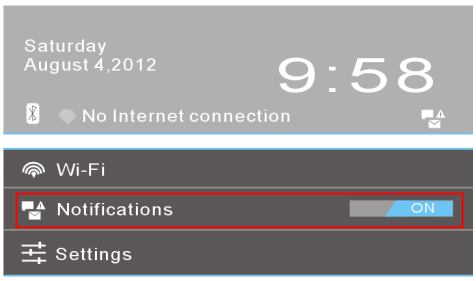
3.5 Notifications and Status

The right side of the system bar displays current time and status buttons.

Area	Descriptions
Time area	Displays the current time.
Notification area	Notification button informs you of new e-mail, messages and so on. Touch it for viewing.
Status area	Show you the current state of your device just like network connections.

3.5.1 Managing Notifications

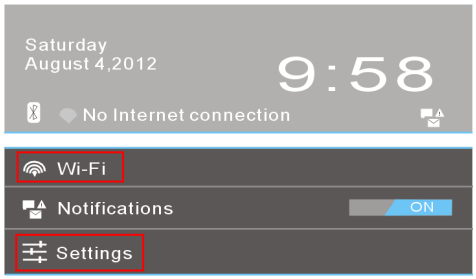
You can touch Time area to pop-up status configuration screen to disable/enable the Notification function. Or touch the notification button directly to view the information.



- Touch notification button to view the detail.
- Touch X to remove a notification
- Touch Time area to view all current notifications

3.5.2 Status Detail

You can touch Time area to pop-up status Detail screen to configure device settings and Wi-Fi. And touch any other area of the screen to close the Status Detail.



- View the detail about date and time
- View the state of network connections
- Touch **Settings** to open Settings configuration screen.

3.6 Customizing Your Home Screen

3.6.1 Add an Item (Shortcut)

- Touch the Home button to go back the central Home screen
- Drag on the screen horizontally to select a Home screen where you want to add the item.
- Touch the **Apps** button located on the upper right corner of your screen.
- On the **Apps** screen, touch **APPS** or **WIDGETS** tab to enter APPS or WIDGETS configuration screen.
- Select one of **APPS** or **WIDGETS** item that you want to add.
- Touch and hold the item to add it onto the selected Home screen.

NOTE

- If you touch and hold the added item on the selected Home screen without lifting your finger, the Home screen will display “+” to indicate the position where you can place the item.

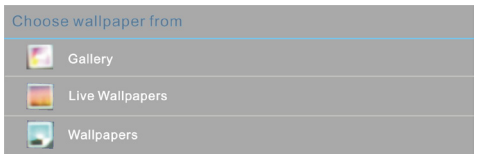
3.6.2 Move an Item

- On the Home screen, touch and hold the item that you want to move.
- Once you touch and hold the item, the screen will display "**+**" to indicate the positioning options.
- Move the item to the specified position.
- Then release your finger to add the item to the new position.

3.6.3 Delete an Item

- On the Home screen, touch and hold the item that you want to delete such as a widget or shortcut.
- Once you touch and hold the item, on the top of Home screen will display "**X Remove**".
- Drag the item onto the top of "**X Remove**".
- Then release your finger to delete the item.

3.6.4 Change the Wallpaper



- Long Touch (touch and hold) an empty space on the screen.
- A "**Choose wallpaper from**" configuration screen will appear.
- Select one of the wallpaper sources by touching the specified icon.
- (Wallpaper sources: Gallery, Live Wallpapers and Wallpapers)
- In the selected wallpaper source screen, select one by touching it to change the wallpaper. Or touch delete to exit the wallpaper source screen and go back to Home screen.
- Once finishing the wallpaper selection, touch "**Set wallpaper**" to renew the wallpaper of Home screen.
- Some wallpapers allow you to change the wallpaper color, ex. Magic Smoke. If "**Settings…**" displays during the changing wallpaper, touch it and on the top of screen, will display "**Tap to change**", touch the screen to configure the wallpaper color. Tap the screen to cycle through the different colors.
- You can touch **Back** button to go back previous screen without renew any changed settings.

NOTE

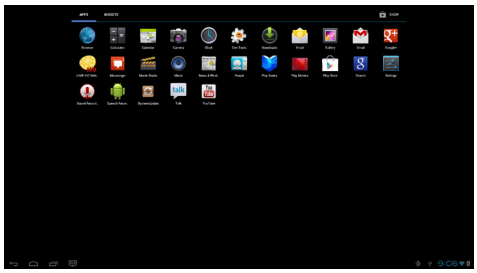
- All Home Screens share the same background. You cannot set different wallpapers for individual Home Screen panels.

3.7 Navigating the Applications

You can find applications available on your device in the All Apps menu:

3.7.1 Apps screen

Open the Apps screen



You can access **Apps** screen from any Home screen by touching the **Apps** button located on the upper right corner of your screen. The **Apps** screen contains all of the applications installed on the device including those you have downloaded.

Navigate pages of applications

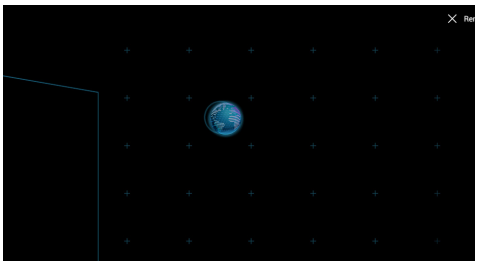
Flick the **Apps** screen horizontally and touch an application to launch it.

Close the Apps Screen

Touch the Home button on the system bar to go back the central **Home** screen.

3.7.2 Application Shortcuts

To quickly launch applications on the Home screen, you can add shortcuts for frequently-used application to the Home screen.
For more information, please refer to ***3.6 Customizing Your Home Screen***.



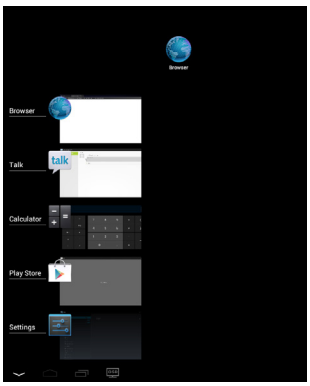
Use the shortcut to open an application

1. Touch the Home button on the system bar.
2. If the desired application shortcut displays on the Home screen, touch the shortcut to launch the application.

3.7.3 Recent Applications

Open a recently used application

1 Touch the Recent Applications button ▭ to view the recently used applications.



2 Scroll the list of recently used applications, and touch the desired application thumbnail to launch the application.

3 Touch the Close button ﹀ to close the list of recently used applications.

3.7.4 Screen Lock Wallpaper

You can set the display to turn off automatically after a timeout period of inactivity, or turn it off manually by pressing the power button. When you press the power button to wake up the display, the screen lock wallpaper appears to avoid unintentional touch of the screen. When the screen lock wallpaper appears, touch and hold the lock icon, drag it to the edge of the larger circle that surrounds it to unlock the screen. Refer to ***2.3 Turn On Your Device***.

NOTE

- Set the duration of screen to remain on before entering sleeping mode, touch the Home button | Apps button | Settings | Display | Sleep.

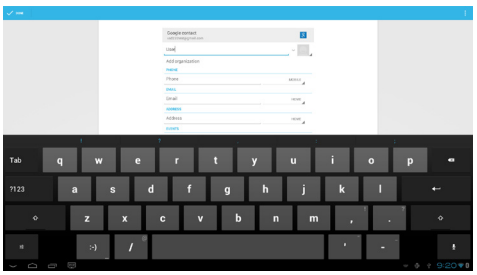
4 Using Your VSD220 Smart Display

4.1 Managing Contacts

Touch Home button | Apps button | People to view and manage your contacts.

4.1.1 Add a new contact

1 Touch New.



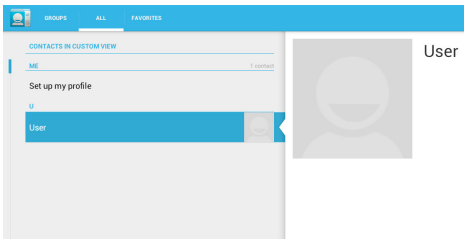
2 Select the account where you want to add this contact, such as your Gmail account.

- This area shows the account in which the new contact is stored.
- Take photo: Touch to take a photo to use as the contact's visual caller ID.
- Select photo from Gallery: Touch to select a photo from the Gallery application to use as the contact's visual caller ID.
- Enter the contact information using the on-screen keyboard. Scroll the screen to find more items to fill.
- Touch to replace a default information label with another label that you can choose from the list. For example, you can change the label from Home phone number to Mobile phone number.
- Touch to add a new item to the current information category. For example, you can add a second phone number.
- Touch to remove an item from the current information category
- Touch to fill more information about the contact.
- Touch to display more options.
- Touch Cancel to return to your Contacts list.
- Touch **Done** to save the new contact to your Contacts list.
- Touch to return to your Contacts list.

4.1.2 Find a contact

1 To locate a contact, you can either:

- Flick the **All** tab contacts list on the upper left of screen until you find the contact. Or, drag the scroll bar on the left of the screen to scroll through the contacts list.
- Touch **Find** contacts on the upper right of screen, and then type either the contact's full name or only the first letters of it into the text box. The screen displays the matching contacts.



2 Once the contact is located, touch the contact's entry to view the contact's details.

4.1.3 E-mail or send a message to a contact

1 On the contacts list, find a desired contact.

2 Touch the contact entry to view the contact details, and then touch to send e-mail using the e-mail accounts you have set up on your device, or touch it to send a message.

Edit a contact

1 On the contacts list, find a desired contact.

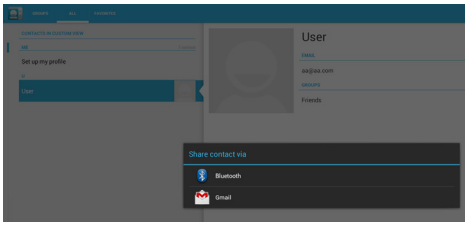
2 Touch the contact entry to view the contact details.

3 Touch to edit the contact details.

4 Touch **Done** to save the changes.

Share a contact

1 On the contacts list, find a desired contact.



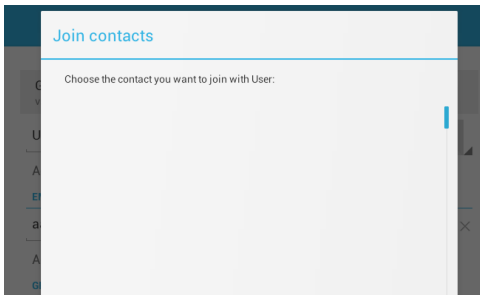
2 Touch the contact entry to view the contact details.

3 Touch the **Menu** button on the upper right of screen, then select **Share** contact.

4 From the **Share** contact via menu that appears, select the way you want to share the contact information with your friends, such as through Bluetooth or Gmail.

Join contacts

Since your device can synchronize with a variety of accounts, when synchronizing contacts from these accounts with your device, you may have multiple contacts for the same person. Joining contacts allows you to view all the contact's numbers, addresses, and so on, in one single contact entry.



1 On the Contacts list, find a desired contact.

2 Touch the contact entry to view the contact details, and then touch **Edit** on the upper right of the screen.

3 Then, touch the **Menu** button on the upper right of the screen | Join.

4 From the Join contacts list, touch another contact to link, and then touch **Done**. The joined contact's information is displayed with the original **Contacts settings**.

In People , touch the **Menu** button on the device or the Menu button on the screen.

Settings	Descriptions
Accounts **NOTE:** If you want to synchronize individual data manually, clear **Auto-sync**, and then from your account, touch a data item to start synchronization of that data. While data is syncing, the sync icon appears on the option of the data being synced.	Contacts stored on your device can besynchronized with a computer using Mobile Sync; contacts stored on your personal e-mail account such as Gmail can be synchronized through an Internet connection. • To select the data to synchronize: 1 Select Background data to make all the sync options available. 2 Select Auto-sync to let the deviceautomatically synchronize the selected data in your Twitter account or e-mail account, which may include Twitter contacts and data, or Calendar, Contacts, Gmail, and Picasa WebAlbums data. • To select the data to sync from your e-mail account: 1 Touch your e-mail account to open the Data & synchronization list. 2 Select the data that you want the device to synchronize automatically, such as Sync Calendar, Sync Contacts, Sync Gmail, Sync Picasa Web Albums.
Import/Export	You can import contacts from SD card to your device, export Contacts from your device to your SD card, and share visible contacts in multiple ways, such as Bluetooth or Gmail.

4.2 Pop-up Menu

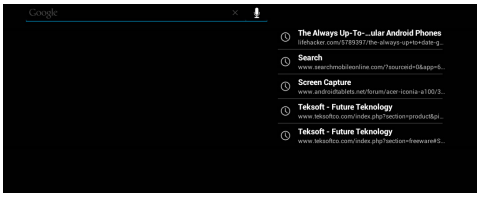
Touch the Menu button on the device or the Menu button on the screen to open or close the pop-up menu that lists available options for the current application, or actions that you can perform on the current screen.

Select an option or item on the pop-up menu

1. Touch the Menu button on the device or the Menu button on the screen to open the pop-up menu.
2. Touch the desired item on the pop-up menu.

4.3 Google Search

You can use the Google Search widget to find websites and information on Google, applications installed on your device, and contacts stored in your Contacts list.



Search by typing

1. From the Google Search widget on the Home screen, touch "**Google**" to open the Google Search widget below.
2. Type a keyword or text into the box using the keyboard. As you type, the search results that fully or partially match the text being typed appear.
3. Scroll the listed search results and touch the desired result.
4. The matching application or the browser with matching web links opens.
5. Touch the desired link if you want to view a web page.

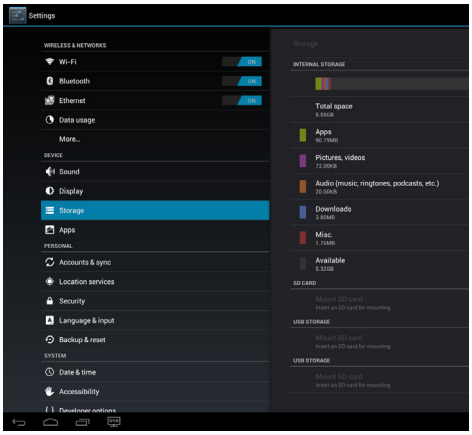
Search by voice

1. Touch the microphone that appears beside the search box.
2. Say the name or keyword of the item you want to search.
3. The browser with matching web links opens.

4.4 Managing Your Device Settings

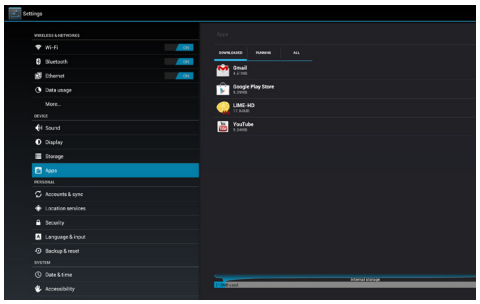
4.4.1 Check storage spaces

Touch the Home button │ Apps button │ Settings │ Storage. The screen displays the total and available space on the device, USB storage and SD card.



Erase unwanted application data

1 Touch the Home button │ Apps button │ Settings │ Apps.

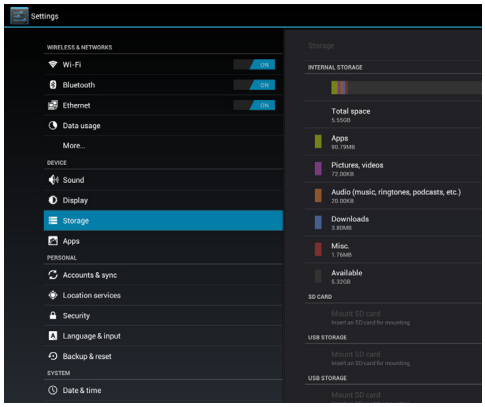


2 Touch the application whose cache or data you want to remove.

3 Touch **Clear data** under Storage to erase unwanted application data; touch Clear cache under Cache to erase unwanted cache.

4.4.2 Remove the SD card safely

1 Touch the Home button │ Apps button │ Settings │ Storage.



2 Touch Unmount SD card under the SD Card section.

3 Press and hold the Power button until the Power off menu appears. Then, touch **OK** to turn off the device.

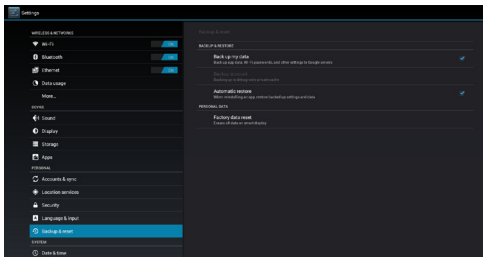
4 Pull out the compartment cover and then remove the SD card from your device.

NOTE

- Removing the SD card while the device is working may cause data loss or result in application errors. We suggest you unmount the SD card before removing it.

4.4.3 Erase all data from your device

1 Touch the **Home** button | **Apps** button | **Settings** | **Backup & reset**



2 Touch Factory data reset tablet.

3 Touch "**Reset smart display**" to erase everything after you read the warning.

NOTE

- Ensure that you have back up all the required data before erasing all data from your device.

4.5 Connecting to HDMI-compliant Devices via Micro HDMI Input

HDMI (High-Definition Multimedia Interface) is a compact audio/video interface for transferring uncompressed digital audio/video data. You can obtain the best user experience for video playback and gaming via HDMI. VSD220 is equiped with a micro HDMI input for connection to an external HDMI-compliant device. You can connect your PC, notebook, Blu-ray player or any other HDMI-compliant device to VSD220 for high-definition video display.

How to begin

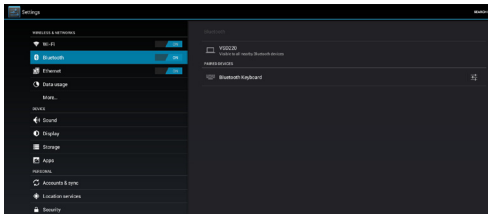
1	A type A (HDMI) to type D (micro HDMI) HDMI cable must be available.
2	Connect the Type A connector of the HDMI cable to the desired HDMI-compliant device.
3	Connect the Type D connector of the HDMI cable to the micro HDMI port located on the back of your VSD220.
4	For PC or notebook connection, always set the appropriate resolution. VSD220 supports with max. resolution of 1920*1080.
5	To enable the touch screen function, connect the micro USB cable to micro USB connector of VSD220 and connect the other end to your PC or notebook.

NOTE

- The touch screen function will work with computers running Windows 7 or later versions without the need for additional drivers.

4.6 Bluetooth Connection

Bluetooth is a short-range wireless communications technology that allows your device to connect to other Bluetooth-enabled devices over a wireless network. Bluetooth on your device operates in three different modes:



Status	Descriptions
On	Bluetooth is turned on. Your device is enabled to detect Bluetooth devices within range, but will not be found by them.
Discoverable	Bluetooth is turned on, and other Bluetooth devices can detect your device.
Off	Bluetooth is turned off. Your device cannot send and receive data using Bluetooth.

4.6.1 Turn on Bluetooth and make the device discoverable

1. Touch the Home button │ Apps button │ Settings │ Bluetooth.
2. Enable the Bluetooth function by touching “**ON**” to turn on Bluetooth. The Bluetooth icon appears in the status area of the system bar.

4.6.2 Pair with a Bluetooth device

1. Touch the Home button │ Apps button │ Settings │ Bluetooth. Ensure Bluetooth has been enabled on the device you want to pair with, and the device is in Discoverable state.
2. Touch **SEARCH FOR DEVICES**. Your device starts to scan for Bluetooth devices within range and then displays all detected devices below the **AVAILABLE DEVICES** list.
3. Detect more devices, touch Scan for devices.
4. Initiate a connection with a device; touch the name of the device.
5. You may be prompted to enter a password to authenticate. Enter the same password on both devices, or enter the password provided by the device manufacturer. Ensure that you read the documentation of the pairing device to check if it requires a default password.
6. When the pairing is successful, paired but not connected devices are displayed under the “**PAIRED DEVICES**”.

NOTE

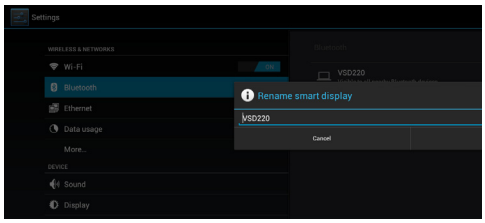
1. The message indicating successful pairing may vary depending on the type of the paired device.
2. Pairing is a one-time process. Once your device successfully pairs with another device, your device recognizes that device without the need to re-enter the password.

4.6.3 Terminate a pairing partnership

1. Touch the Home button | Settings | Bluetooth.
2. Under the Paired devices section, touch the icon next to a paired device.
3. Touch Unpair to erase all pairing information with that device. You need to re-enter the password if you want to restore a Bluetooth connection to that device.

4.6.4 Change your device's Bluetooth name

1. Ensure that you have turned on Bluetooth on your device
(Icon in the status area of the system bar indicates that Bluetooth is enabled).

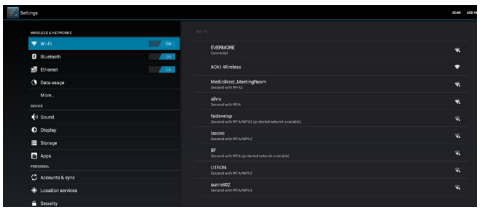


2. Touch the **Home** button | **Settings** | **Bluetooth**. Ensure Bluetooth - Device name.
3. Enter a name to identify the device when you connect using Bluetooth.
4. Touch **OK**.

5 Internet

5.1 Connecting to the Internet

To browse the web and access web-based utilities such as instant messaging, you can connect VSD220 to a LAN network via RJ-45 cable on LAN connector or set up a Wi-Fi connection.



5.1.1 Wi-Fi connection

1	Touch the **Home** button │ **Apps** button │**Settings** │ **Wi-Fi** to enable Wi-Fi function by touching "**ON**". The device scans for available wireless networks.
2	Touch Wi-Fi settings. The network names and security settings (Open network or Secured with WEP/WPA/WPA2/WPS) of discovered Wi-Fi networks display in the Wi-Fi networks list.
3	Flick the list and touch to select a Wi-Fi network you want to connect to.
4	Enter a password (if necessary), then touch Connect to connect to the Wi-Fi network.

Connect to a network protected by Wired Equivalent Privacy (WEP), Wi-Fi Protected Access (WPA), WPA2, or Wireless Protected Setup (WPS), you must enter the WEP/WPA/WPA2/WPS security key to obtain authorized access to the network. The next time your device connects to a previously accessed secured wireless network, you will not be required to enter the WEP/WPA/WPA2/WPS key again, unless you reset your device to its factory default settings.

5.1.2 Check the current Wi-Fi network connection

From the status area of the system bar: When your device is connected to a wireless network, the Wi-Fi icon in the status area of the system bar indicates the signal strength (number of bands that light up). If Settings | Wi-Fi | Network notification is enabled, the “?” icon appears in the notifications area of the system bar, as the device discovers an accessible Wi-Fi network within range.

From the Wi-Fi network:

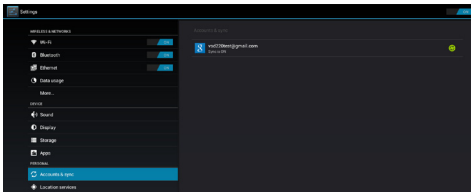
1. Touch the **Home** button | **Apps** button | **Settings** | **Wi-Fi**.
2. Touch the Wi-Fi network that the device is currently connected to (labeled Connected). A screen opens displaying the Wi-Fi network’s name, status, security information, signal strength, link speed, and IP address.
3. If you want to disconnect the Wi-Fi network from your device, touch Forget on this screen. You will need to configure the Wi-Fi settings again if you want to restore connection to this wireless network.

5.1.3 Connect to another Wi-Fi network

1. Touch the **Home** button | **Apps** button | **Settings** | **Wi-Fi**. The detected Wi-Fi networks are displayed in the Wi-Fi networks list.
2. Start a new search for available Wi-Fi networks, on the Wi-Fi settings screen, touch the Menu button on the upper right of screen | Scan.
3. Flick through the Wi-Fi networks list and touch the name of the network you want to connect to.
4. If the wireless network you want to connect to is not in the list of detected networks, Flick to the bottom of the list to touch Add Wi-Fi network. Enter the Wi-Fi network settings, and then touch Save.

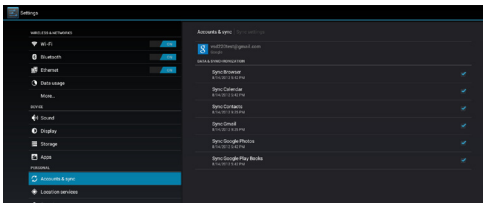
5.2 Synchronizing Your Google Data

Through a web connection, your device can synchronize your Google data including Gmail, calendar, and contacts with your computer or any other device that you use to access your Google account.



Select the applications to synchronize

1 Touch the **Home** button | **Apps** button | **Settings** | **Accounts & sync**.



2 Under the Accounts & sync. section, touch icon to select check box to make all the sync options available. Such as Sync Calendar, Sync Contacts, Sync Gmail, Sync Picasa Web Albums.

3 If you want to add account for synchronizing, touch “ADD ACCOUNT” on the upper right of screen to make an synchronized account, just like as Corporate, Email or Google.

NOTE

- While data is syncing, the sync icon appears on the option of the data being synced.

5.3 Video Chat

Equipping with a front webcam and a microphone, VSD220 allows communication with other users on the Internet. VSD220 supports various video chat apps from Google Play. By default, Google Talk is the most simple video chat application for Android devices and pre-installed already.

Here’s a short list of what you will need to use the video chat function of Google Talk:

- VSD220
- Google Account
- People to chat with (who also have a Google account and have been added into your Google Talk friend list)

How to begin

1 Authenticate your Google account
You can do this by opening up Google Talk and then signing in to your Google Account. Before using video chat, you must first sign-in to your Google account.

2 Invite the person
Open Google Talk application. Locate to the person in your Google Talk friend list who you want to invite to the video chat. Make sure that the friend who you want to chat with is online. Then tap the video button in the right of your friend's name.

3 Wait for response
Now, simply wait for the invited person to join in the video chat. Once your request has been accepted by the invited person, the display will be switched to the video chat window and the chat will begin.

6 Customizing Your VSD220 Smart Display

You can customize your device using the options available in the Settings application.

6.1 Display Settings

Change the display settings:

1. Touch the **Home** button | **Apps** button | **Settings** | **Display**
2. You can configure the Wallpaper, Sleep and Font size here. For Wallpaper, you can also touch an area on the Home screen to open the Wallpaper configuration screen.
3. Enable a setting, touch the setting option to select the check box. Disable a setting, touch the setting option to clear the check box

Items	Descriptions
Wallpaper	Refer to ***3.6.4 Change the Wallpaper***
Sleep	Here you can configure the idling time for entering power saving mode. (e.g. 15 sec., 30 sec., 1, 2, 5, 10 or 30 min. by default, it is set to 30 minutes.)
Font size	Set the Font size to your screen. (Small, Normal, Large or Huge, by default, it is set to Normal)

6.2 Sound and Ringtone Settings

Change the sound and ringtone settings:

1. Touch the **Home** button | **Apps** button | **Settings** | **Sound**.
2. Select the list to locate and touch a desired option.
3. To enable a setting, touch the setting option to select the checkbox ; to disable a setting, touch the setting option to clear the check box.

6.2.1 System settings

Items	Descriptions
Touch Sounds	Select this item check box to enable the touch sounds. By default, it is set to enable.
Screen lock sound	Plays a tone when the screen is locked and unlocked. By default, it is set to enable.

6.2.2 Notifications settings

Items	Descriptions
Notification ringtone	1. Select a desired ringtone for notifications from the Ringtones menu that appears. 2. Touch OK to confirm the selection.

6.3 Date, Time, and Time Zone

Manually set the date, time and time zone:

1 Touch the **Home** button │ **Apps** button │ **Settings** │ **Date & time**.

2 The related configuration about Date & time will appear on the right section.

3 Touch the desired item.

4 If you want to automatic date & time, please select the Automatic date & time check box. When this check box is not selected, you can set the date & time by manually.

Items	Descriptions
Automatic date & time	Use network-provide time zone automatically.
Set date	1. Touch **Set date** item to adjust the day, month, and year; you can also touch the day, month, or year to flick to the desired value. 2. Touch **Set** to confirm the date.

Items	Descriptions
Set time	1. Touch **Set time** item to adjust the hour and minute; you can also touch the hour or minute to flick to the desired value. 2. Touch the **AM/PM** field if the 12-hour format is in use. 3. Touch **Set** to confirm the time.
Set time zone	Select a city or region that represents the time zone for your device. Touch the Menu button to sort the time zone list alphabetically or by time zone.
Use 24-hour format	Clear this check box to display the time in 12- hour format.
Select date format	Select the format to be used for displaying the date.

6.4 Language & Input Settings

Set the language of the display text:

1 Touch the **Home** button │ **Apps** button │ **Settings** │**Language & input** │ **Language**. By default, the Language is set to English.

2 Select a language of your choice from the list that appears.

3 Here also supports you to revise the wording function, select **Spelling correction** check box to enable this function.

4 For extra defined wording, touch the **Personal dictionary**, then touch **ADD** on the upper right of screen to add new defined wordings to your personal dictionary.

Set the Keyboard & Input:

1 Touch the **Home** button │ **Apps** button │ **Settings** │**Language & input** │ **Keyboard & input methods**

2 To enable a setting, touch the setting option to select the check box; to disable a setting, touch the setting option to clear the check box.

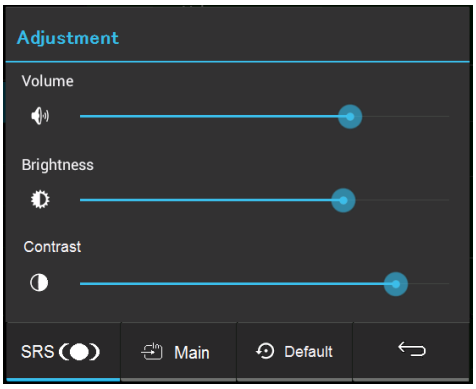
3 You can also touch setting icon for each selection for advanced configurations.

NOTE

- Here you can also configure the speech of voice, test output and pointer.

6.5 OSD Settings

Touch the OSD icon on the left of system bar to pop-up OSD configuration screen. Refer to ***3.4 Navigation buttons***. The OSD configuration screen can be used to adjust the volume, brightness, contrast and so on.



6.5.1 Adjustment Bars

Volume:

Touch and drag the slider on the **Volume** bar to adjust the volume. Drag the slider to the right, the volume is louder. By default, the volume is set to 70.

Brightness:

Touch and drag the slider on the **Brightness** bar to adjust the brightness of your screen. Drag the slider to the right, the screen is brighter. By default, the brightness is set to 75.

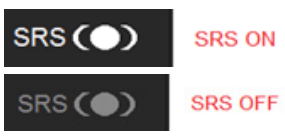
Contrast:

Touch and drag the slider on the **Contrast** bar to adjust the contrast of screen display. Drag the slider to the right, the contrast is larger. By default, the contrast is set to 75.

6.5.2 Functions Buttons

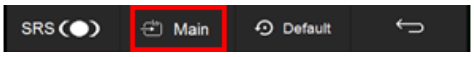
SRS:

SRS (Sound Retrieval System), touch this button to enable SRS function.



Main or HDMI:

- When input source is internal HDMI (Android), this item will show you **HDMI**.
- When input source is external HDMI, this item will show you **Main**.



Default:

Touch **Default** button to restore the Volume, Brightness and Contrast to default value.

Back:

Touch **Back** button to close the OSD configuration screen and go back to the original processing screen.

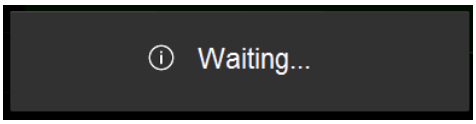
NOTE

- OSD language supports English, Deutsch (German), Francais (French), Italian, Spanish, Japanese, Simplified Chinese and Traditional Chinese.

6.5.3 OSD Notice

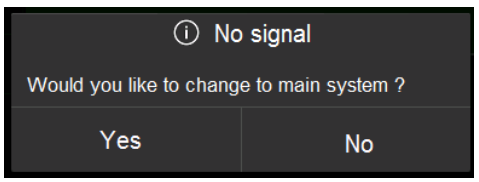
Waiting:

The **Waiting** notice screen will pop-up during your OSD configurations.

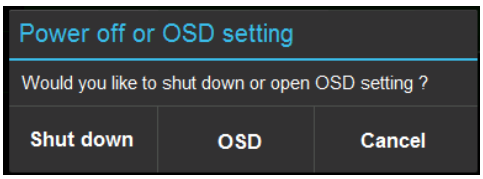


No signal:

The connection for your HDMI is not ready.
The connection between HDMI device and your smart display is not normalization.
The **No signal** information screen will pop-up as below:



Power off or OSD setting for HDMI source:



7 Protecting Your VSD220 Smart Display

7.1 Protect Your Device Data with a Screen Unlock Pattern

You can protect your device data against unauthorized access by locking the touch screen with a screen unlock pattern. Once the unlock pattern is enabled and the screen is locked, you need to draw the correct unlock pattern to unlock the screen.

After you fail to draw the correct unlock pattern on the screen for five consecutive times, you will be asked to wait for 30 seconds before you can try again. If you no longer remember your screen unlock pattern, follow these steps to unlock your screen:

1. Touch **Forgot** pattern.
2. When prompted, sign in to the Google website using your Google account name and password.
3. Draw a new screen unlock pattern.

7.1.1 Create a screen unlock pattern

1. Touch the **Home** button | **Apps** button | **Settings** | **Security**.
2. Touch **Screen Lock** section → **Pattern**.
3. Read the instructions on the screen and study the animated example of how to draw a pattern. Then, touch Next when you are ready to draw your own pattern.
4. Drag your finger to draw the unlock pattern by connecting at least four dots in a vertical, horizontal and/or diagonal direction. Take your finger off the screen when a pattern is drawn.

NOTE

- You must touch and drag your finger on the screen to create the pattern.

1 The device records the pattern if it is correctly drawn. Touch **Continue**.

2 Draw the pattern again as prompted, and then touch **Confirm**.

NOTE

- If you want to change your unlock screen pattern, you need to draw the old pattern to confirm before creating a new pattern.

7.1.2 Change unlock pattern settings

1 Touch the **Home** button | **Apps** button | **Settings** | **Security**.

2 Once the pattern setting is enabled; under the **Screen lock**, Unselect **Make pattern visible** check box if you do not want the lines of the unlock pattern to display on the screen when you draw it.

7.2 Disable the screen unlock security

1 Touch the **Home** button | **Apps** button | **Settings** | **Security**.

2 Select **None** to disable screen unlock security.

7.3 Protect Your Device Data with a PIN

1 Touch the **Home** button | **Apps** button | **Settings** | **Security**.

2 Touch **Screen Lock** section → **PIN.**

3 On the Choose your PIN screen appears, enter a PIN in the textbox. Your PIN must be 4 characters at least.

4 Touch **Continue** to proceed.

5 Enter the PIN again to confirm.

6 Touch **OK**.

7.3.1 Disable or change PIN

1 Touch the **Home** button | **Apps** button | **Settings** | **Security**.

2 Touch **Screen Lock** section.

3 Enter the PIN code you have configured, and then touch **Continue**.

4 Select **None** secured to disable the PIN; select **PIN** to change PIN code.

7.4 Protect Your Device Data with a Password

1 Touch the **Home** button | **Apps** button | **Settings** | **Security**.

2 Touch **Screen Lock** section → **Password**.

3 On the Choose your password screen appears, enter a password in the text box. A valid password consists of at least 4 characters and contains at least one letter.

4 Touch **Continue** to proceed.

5 Enter the password again to confirm.

6 Touch **OK**.

7.4.1 Disable or change the password

1 Touch the **Home** button | **Apps** button | **Settings** | **Security**.

2 Touch **Screen Lock** section.

3 Enter the **password** you have configured.

4 Select **None** secured to disable the password; select **Password** to change the password.

NOTE

- Once the screen lock is secured with Pattern, FaceUnlock, Pin and Password, the **Automatically lock** will appear under **Screen lock**. By default, it is set to 5 seconds after entering sleeping mode.

7.5 Power Saving Feature

In order to save energy,this device supports power saving mode (sleeping mode). The device will enter power saving mode when you idle without processing. Then, the screen will go off. You can set the duration of screen to remain on before entering sleeping mode, touch the **Home** button │ **Apps** button │ **Settings** │ **Display** │ **Sleep**.

7.6 Power Management Information

Please turn of the product when it will not be used for long time. This could potentially increase the life and decrease the power consumption of the product.

Power Indicator

	LED Status
Power ON	Green
Power Standby	Orange
Power OFF	LED OFF

Power On – In off mode, push the power button 1-2 seconds to enter power on mode
Power Standby – In power on mode, push the power button to enter standby mode
Power Off – In power on mode, push the power button more than 4 seconds and select “OK” in the dialog box to enter off mode.

8 Troubleshooting

8.1 Messaging Problems

Problems	Causes	Solutions
Unable to send or receive text messages.	The signal strength is not strong enough.	Try moving to a different location for better signal reception.
Unable to send or receive e-mail.	The Internet connection or the e-mail setting is not configured properly.	Check your network connection, and confirm with your e-mail service provider if your e-mail setting has been configured correctly.

8.2 Internet Problems

Problems	Causes	Solutions
Unable to connect to the network.	You are not within the network's service area.	Check the service area with your service provider.
	Poor signal.	Move to an open space or if you are inside a building move closer to a window.

8.3 Other Problems

Problems	Solutions
No power	Press and hold the power button for at least three seconds (Page 12, Section 2.3), if the LED does not light green with the device booting-up then: - Ensure that the power adaptor is plugged-in to a suitable power socket - Ensure that the DC connector is fully inserted into the correct socket on the rear of the VSD220 located under the cover (see page 8 and 11) - Check the power socket with another device (i.e. table lamp) - If there is still no power then contact ViewSonic support or the Reseller from whom the device was purchased
No display	Check external HDMI device and connections.
Lock-up	Restart by pressing and holding power button.
App doesn't function	Check with App author.
No network	Check WiFi settings, try Ethernet if available.
No audio	Check volume level setting.

9 Appendix

Specification

LCD Spec.	
Size	54.6 cm (21.5”)
Resolution	1920x1080
White Luminance	250/200 (Max./typ)
Contrast Ratio	1000/700 (typ/min.)
Response time	5ms (typ)
Viewing Angle	170/160 (horizontal/vertical)

System	
Operating System	Android ICS 4.0.4
CPU	TI OMAP 4430, Dual-core ARM® Cortex-A9, 1GHz
System Memory	DDR2 1GB
Storage	eMMC 8GB
WLAN/Bluetooth	802.11b/g/n + Bluetooth V2.1
Camera	Front: MIPI 1.3M - HD
Microphone	Internal MIC x1, digital type
LED Indicator	Green (on) / Orange (saving)
Power Switch	One standby power button (power on/off/suspend/ resume)
I/O ports	HDMI x 1 (Micro type) USB x 2 USB x 1 (Micro type, supports OTG) 3.5mm Headphone-out LAN (RJ45, supports 10/100 Mbps) DC Jack (ID 1.7mm, OD4.0mm) SD card slot (Micro type)
Touch screen	Optical touch type, with glass
Touch controller	One touch & Gesture
Speakers	1W x 2
Adapter (DC)	Input: 100~240Vac, 50-60Hz, 1.2A Output: DC Jack 19V, 2.1A, 40W max.
Power Consumption	30W typ.
Power Save	Standby mode < 1W, Off mode < 0.5W
Stand	Photo-frame type
VESA® mount	Optional
Dimension	512.8 mm (L) x 353 mm (H) x 24.8mm (W)
Weight	Gross: 5.8kg Net: 4.8Kg

Operation environment

Temperature	+0°C~+40°C
Humidity	5%~85%
Air pressure	86~106 Kpa

Storage environment

Temperature	-20°C~+60°C
Relative Humidity	20%~95%
Air pressure	86~106 Kpa
Radiation Solar heat	1.12 kWh/m^2 (IEC68-2-5, 72hrs)

Accessories

Power cord (1M)
Power adapter
Micro HDMI to HDMI cable (Optional)
Micro USB to USB cable (Optional)

Customer Support

For technical support or product service, see the table below or contact your reseller.
NOTE: You will need the product serial number.

Country/Region	Website	T = Telephone F = FAX	Email
Australia/New Zealand	www.viewsonic.com.au	AUS= 1800 880 818 NZ= 0800 008 822	service@au.viewsonic.com
Canada	www.viewsonic.com	T (Toll-Free)= 1-866-463-4775 T (Toll)= 1-424-233-2533 F= 1-909-468-3757	service.ca@viewsonic.com
Europe	www.viewsoniceurope.com	www.viewsoniceurope.com/uk/support/call-desk/	
Hong Kong	www.hk.viewsonic.com	T= 852 3102 2900	service@hk.viewsonic.com
India	www.in.viewsonic.com	T= 1800 266 0101	service@in.viewsonic.com
Ireland (Eire)	www.viewsoniceurope.com/uk/	www.viewsoniceurope.com/uk/support/call-desk/	service_ie@viewsoniceurope.com
Korea	www.kr.viewsonic.com	T= 080 333 2131	service@kr.viewsonic.com
Latin America (Argentina)	www.viewsonic.com/la/	T= 0800-4441185	soporte@viewsonic.com
Latin America (Chile)	www.viewsonic.com/la/	T= 1230-020-7975	soporte@viewsonic.com
Latin America (Columbia)	www.viewsonic.com/la/	T= 01800-9-157235	soporte@viewsonic.com
Latin America (Mexico)	www.viewsonic.com/la/	T= 001-8882328722	soporte@viewsonic.com
Renta y Datos, 29 SUR 721, COL. LA PAZ, 72160 PUEBLA, PUE. Tel: 01.222.891.55.77 CON 10 LINEAS Electroser, Av Reforma No. 403Gx39 y 41, 97000 Mérida, Yucatán. Tel: 01.999.925.19.16 Other places please refer to http://www.viewsonic.com/la/soporte/index.htm#Mexico			
Latin America (Peru)	www.viewsonic.com/la/	T= 0800-54565	soporte@viewsonic.com
Macau	www.hk.viewsonic.com	T= 853 2870 0303	service@hk.viewsonic.com
Middle East	ap.viewsonic.com/me/	Contact your reseller	service@ap.viewsonic.com
Puerto Rico & Virgin Islands	www.viewsonic.com	T= 1-800-688-6688 (English) T= 1-866-379-1304 (Spanish) F= 1-909-468-3757	service.us@viewsonic.com soporte@viewsonic.com
Singapore/Malaysia/ Thailand	www.ap.viewsonic.com	T= 65 6461 6044	service@sg.viewsonic.com
South Africa	ap.viewsonic.com/za/	Contact your reseller	service@ap.viewsonic.com
United Kingdom	www.viewsoniceurope.com/uk/	www.viewsoniceurope.com/uk/support/call-desk/	service_gb@viewsoniceurope.com
United States	www.viewsonic.com	T (Toll-Free)= 1-800-688-6688 T (Toll)= 1-424-233-2530 F= 1-909-468-3757	service.us@viewsonic.com

Limited Warranty
ViewSonic® Smart Display

What the warranty covers:
ViewSonic warrants its products to be free from defects in material and workmanship, under normal use, during the warranty period. If a product proves to be defective in material or workmanship during the warranty period, ViewSonic will, at its sole option, repair or replace the product with a like product. Replacement product or parts may include remanufactured or refurbished parts or components.The replacement unit will be covered by the balance of the time remaining on the customer's original limited warranty. ViewSonic provides no warranty for the third-party software included with the product or installed by the customer.

How long the warranty is effective:
ViewSonic Smart Display products are warranted for at least 1 year for labor from the date of the first customer purchase.
User is responsible for the back up of any data before returning the unit for service. ViewSonic is not responsible for any data lost.

Who the warranty protects:
This warranty is valid only for the first consumer purchaser.

What the warranty does not cover:
1. Any product on which the serial number has been defaced, modified or removed.
2. Damage, deterioration or malfunction resulting from:
   a. Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
   b. Repair or attempted repair by anyone not authorized by ViewSonic.
   c. Causes external to the product, such as electric power fluctuations or failure.
   d. Use of supplies or parts not meeting ViewSonic's specifications.
   e. Normal wear and tear.
   f. Any other cause which does not relate to a product defect.
3. Any product exhibiting a condition commonly known as "image burn-in" which results when a static image is displayed on the product for an extended period of time.
4. Removal, installation, insurance, and set-up service charges.

How to get service:
1. For information about receiving service under warranty, contact ViewSonic Customer Support (Please refer to the web site and Customer Support pages). You will need to provide your product's serial number.
2. To obtain warranty service, you will be required to provide (a) the original dated sales slip, (b) your name, (c) your address, (d) a description of the problem, and (e) the serial number of the product.
3. Take or ship the product freight prepaid in the original container to an authorized ViewSonic service center or ViewSonic.
4. For additional information or the name of the nearest ViewSonic service center, contact ViewSonic.

Limitation of implied warranties:
There are no warranties, express or implied, which extend beyond the description contained herein including the implied warranty of merchantability and fitness for a particular purpose.

Exclusion of damages:
ViewSonic's liability is limited to the cost of repair or replacement of the product. ViewSonic shall not be liable for:

1. Damage to other property caused by any defects in the product, damages based upon inconvenience, loss of use of the product, loss of time, loss of profits, loss of business opportunity, loss of goodwill, interference with business relationships, or other commercial loss, even if advised of the possibility of such damages.
2. Any other damages, whether incidental, consequential or otherwise.
3. Any claim against the customer by any other party.
4. Repair or attempted repair by anyone not authorized by ViewSonic.

OTA update disclaimer:
ViewSonic Corporation assumes no liability for any errors or omissions in the information displayed. This firmware update is intended for ViewSonic® smart display. ViewSonic assumes no liability for data loss or any damages caused as a result of any updates made on any device or damage to or failure of other equipment to which the products are connected, whether incidental, consequential or otherwise. You agree to take full responsibility for all files and data and to maintain all appropriate backup of files and data stored on any device prior to performance of any update. Users shall be responsible for obtaining the necessary rights to access and use any third party content. ViewSonic assumes no liability for the performance, availability and use of third party products and services. Corporate names and trademarks mentioned herein are the property of their respective companies. Copyright© 2012 ViewSonic Corporation. All rights reserved.

Manufacturer's Declaration of Conformity CE

The ViewSonic brand Product VS15006 (Model name: VSD220) has been designed and manufactured in accordance with the Directive 1999/5/EC of European Parliament and the Council on Radio equipment and Telecommunication Terminal equipment. The product is in conformity with the following standards and/or other normative documents:

1. EMC

Standard	Title	Testing Body	Report No.
EN55022: 2010	Limits and methods of measurement of radio interference characteristics of information technology equipment	Burea Veritas Consumer Products Services(H.K.) Ltd. Taoyuan Branch	CE120605D14A
EN55024:2010	Information Technology Immunity standard		
EN61000-3-2: 2009	Disturbances to residential supply system Part 2 : Harmonics		
EN61000-3-3: 2008	Disturbances in supply systems caused by household appliances and similar electrical equipment. Part 3: Voltage fluctuations Part 1: Common technical requirements		

2. HEALTH & SAFETY

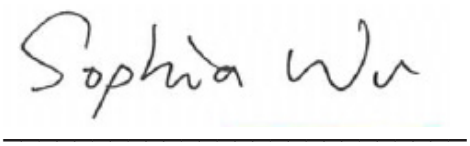
Standard	Title	Testing Body	Report No.
EN60950-1: 2011	Information technology equipment – Safety - Part 1: General requirements	UL-DEMKO	DK-27650-UL
EN50332-1:2000 EN50332-2:2003	Sound system equipment: Headphones and earphones associated with portable audio equipment-Maximum sound pressure level measurement methodology and limit considerations. Part 1: General method for "one package equipment". Part 2: Matching of set with headphones if either or both are offered separately.	N/A	N/A
EN62311:2008	Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz)	N/A	N/A
EN62209-1:2006	Procedure to determine the specific absorption rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3GHz	N/A	N/A
EN62209-2:2010	Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices. Human models, instrumentation, and procedures. Procedure to determine the specific absorption rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30MHz to 6GHz)	N/A	N/A

3. SPECTRUM

Standard	Title	Testing Body	Report No.
EN301489-1 V1.8.1 EN301489-17 V2.1.1	Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services. Part 1: Common technical requirements. Part 17: Specific conditions for Wideband data and HIPERLAN equipment. Part 24: Specific conditions for IMT-2000 CDMA Direct Spread(UTRA) for Mobile and portable(UE) radio and ancillary equipment. Part 3: Specific conditions of Short-Range Devices(SRD) operating on frequencies between 9kHz and 40GHz. Part 7: Specific conditions for mobile and portable radio and ancillary equipment of digital cellular radio telecommunications systems(GSM and DCS).	SGS	EC/2012/70005
EN300328 V1.7.1	Electromagnetic compatibility and Radio spectrum Matters (ERM) - Wideband transmission systems - Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques - Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive	SGS	EF/2012/70011
EN301511 V9.0.2 EN301908-2 V4.2.1	Global System for Mobile communication(GSM) Harmonized EN for mobile stations in the GSM900 and GSM1800 bands covering essential requirements of article 3.2 of the R&TTE directive(1999/5/EC) Eletromagnetic compatibility and Radio spetrum Matters(ERM); Base Stations(BS) and User Equipment(UE) for IMT-2000 Third-Generation cellular networks;Part 2: Harmonized standrad for IMT-2000, CDMA Direct Spread(UTRA FDD)(UE) covering essential requirement of article 3.2 of the R&TTE Directive	N/A	N/A
EN301908-1 V4.2.1	Eletromagnetic compatibility and Radio spetrum Matters(ERM); Base Stations(BS) and User Equipment(UE) for IMT-2000 Third-Generation cellular networks;Part 1: Harmonized EN for IMT-2000 introduction and common requirements, covering the essential requirements of article 3.2 of the R&TTE Directive	N/A	N/A
EN300440-1 V1.6.1 EN300440-2 V1.4.1	Electromagnetic compatibility and Radio spectrum Matters(ERM);Short range devices;Radop equipment to be used in the 1GHz to 40GHz frequency range;Part 1: Technical characteristics and test methods. Part 2:Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive	N/A	N/A

3. ErP Directive : 2009/125/EC

Standard	Title	Testing Body	Report No.
(EC) 1275/2008	Eco-design requirements for standby and off mode electric power consumption of electrical and electronic household and office equipment	Quanta Computer	N/A
(EC) 278/2009	Eco-design requirements for no-load condition electric power consumption and average active efficiency of external power suppliers	Delta Electronics Inc.	N/A



Sophia Wu, Compliance Manager
ViewSonic Corporation

August 23, 2012
Date

ViewSonic®